

# **Enforcement and Compliance History Online (ECHO) and the Online Tracking Information System (OTIS)**

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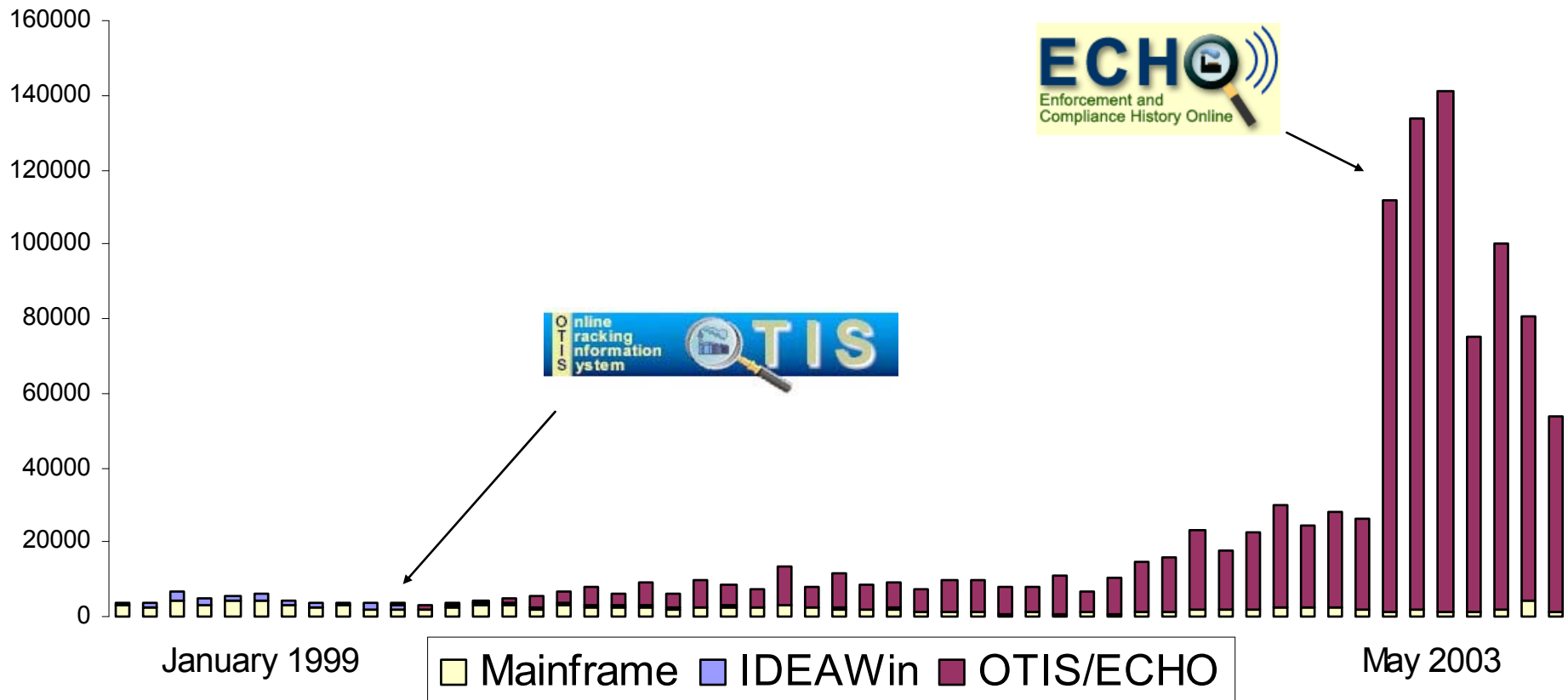
# Data Systems 101

- AFS – Air Facility System. System of record for EPA and State stationary source compliance data.
- IDEA – Integrated Data for Enforcement Analysis. Mainframe system that integrates AFS and 10+ other systems. Copies data from the systems monthly.
- OTIS – Online Tracking Information System. Web-based interface to IDEA for gov't employees.
- ECHO – Enforcement and Compliance History Online. Public access Internet site – another interface to IDEA – which offers more limited capabilities than OTIS.
- ICIS – Integrated Compliance Information System – Detailed tracking of Federal cases and future home of modernized Permit Compliance System (PCS).

# IDEA Use Trends

## Impact of Web Interfaces on IDEA Use

Monthly Query Totals from 1/99-5/03




# Public Access



- ECHO is based on an EPA-ECOS workgroup agreement that outlined what should be posted on the Web.
- 8-month EPA-State review period preceded the launch on Nov. 20, 2002.
  - Extensive work was performed by all EPA and State AFS managers during this phase.
- Pilot period (through March 31, 2003) designed to take public comment and resolve errors found by companies.
- EPA is reviewing comments and is close to finishing a response document.

# ECHO Content

- Compliance and enforcement history for more than 800,000 facilities, including all active AFS stationary sources
  - Source name and class
  - Inspections (FCEs/PCEs) performed
  - Violations and pollutants in violation
  - High Priority Violator status
  - Enforcement actions
  - Penalties
- 

# ECHO Comment Period Stats

- 500,000+ queries performed during review period.
- Site now averaging about 2,500 queries per day.
- $\frac{3}{4}$  of use from public and private sector.
- Mass emails supporting the project received from environmental organizations numbered more than 10,000.

# Data Quality – Error Reporting

- ECHO allows any user to report a potential data error.
- EPA and the States have data stewards in place to respond to error notifications.
- During the comment period, Regions and States experienced a heavy load of notifications requiring research.
- The rate of error reporting has dropped drastically since the end of the review period.
- State data stewards may register for access to EPA Office of Environmental Information's Error Tracking System.  
([https://oasint.rtpnc.epa.gov/frs/frshome\\$.startup](https://oasint.rtpnc.epa.gov/frs/frshome$.startup))

# Error Reporting Stats

(numbers cited below are not final)

- 800,000+ facilities in ECHO
- 80,000+ are considered major (in 1+ program)
- 6,915 error notifications received
- 2,508 facilities submitted errors
- 3,600 of the 6,915 (52%) related to C/E data
- 59% of C/E errors were accepted as errors
- % of data changed through process was very small compared to fields displayed.
- Average time to resolve an error was 26 working days.



# ECHO – Frequent Comments

- Better data quality needed – including errors of omission (inspections, violations or actions not properly listed).
- More information about self certifications and violations.
- Statistical data needed.
- File downloads.
- Turn off violation when it ends rather than when gov't takes an action.
- Better consistency of SNC policies across programs (turning on and off HPV).
- Better caveats and acronym definitions.
- Violation and pollutant data missing from AFS (underlying violations).
- Emissions data should be integrated.

# ECHO Press

- The Associated Press reported on ECHO, as did many local newspapers and trade newsletters.
- ECHO has been featured on non-governmental Web sites, including the Children's Health Environmental Network and Law Library Resource Xchange.
- A Boston Globe reporter used ECHO for an article that highlighted enforcement issues in Massachusetts.

# EPA Response to Comments

- EPA is developing a detailed response to comment document.
- The document will outline EPA's approach to moving from a "pilot" site to a "final" site, and will discuss changes that may be necessary in the future.
- The exact timing of the release has not been decided.


# ECHO v. OTIS

- Both sites are Web interfaces for the IDEA database and work basically the same way, but ECHO has fewer features and options than OTIS.
- Key differences between ECHO and OTIS:
  - OTIS is available only to government agencies.
  - OTIS includes five years of data, while ECHO includes two years.
  - OTIS allows search results of up to 1,000 facilities, while ECHO allows 500.
  - OTIS supports more complex searching and mapping capabilities than does ECHO.
  - ECHO does not include a tool for statistical data such as OTIS Management Reports.
  - OTIS includes TRI data, while ECHO does not.
  - ECHO is somewhat faster than OTIS, as ECHO is optimized for high volumes of queries.

# OTIS – Key Interfaces

- OTIS – CAA query
  - AFS query also integrated with TRI & EJ
- OTIS – MM query
- OTIS – EnviroMapper
- OTIS – Management Reports
  - Spot trends, compare against other States
- OTIS – Extended CAA Mgmt. Reports
  - Detailed tracking of all key AFS stats.
- MACT Prioritization Tool

# Targeting Ideas

- What facilities have not applied for Title V permits but are over 25 tpy of HAPs?
  - Are high carcinogen releasers in EJ areas being frequently inspected?
  - What facilities are frequent violators, but have not been penalized in the last 5 years?
  - Title V sources with no inspections in 3 years.
  - ???
- 
- A decorative graphic consisting of several concentric circles, resembling ripples in water, is located in the bottom right corner of the slide. The circles are rendered in a lighter blue color against the dark blue background.

# Advantages to using OTIS for analysis

- See records across environmental statutes
- Ability to target based upon environmental justice data
- Ability to target based upon releases to air (including carcinogens and HAPs)
- Easier to use
- Output from AFS can be pasted right into OTIS queries
- Combination of facility and statistical data

# Sample Queries

- ECHO – Community Search and Error Reporting
  - What facilities are shown in my zip code?
  - How do I report an error?
- OTIS – CAA Query
  - What major AFS facilities have not been inspected in 3 years, are in a 50% minority area, have more than 10,000 lbs. carcinogen releases to TRI?
- OTIS – Management Reports
  - What is the rate of HPV identification?
  - What are the inspection trends by State?





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[EPA Home](#) > [Compliance and Enforcement](#) > ECHO

>>> Pilot Site -- Public Comments Under EPA Review -- Please See [Information Room](#) <<<

ECHO Home

Search Compliance  
Data (All Programs)

Search Air Data

Search Water Data

Search Hazardous  
Waste Data

About the Site

About the Data

More State Data

Related Links

Acronyms

Frequently Asked  
Questions

Site Map

Search in Your Community:

Go

Enter ZIP or City & State:  
e.g., "Salem, MA"

Help

This Web site allows you to search for facilities in your community for the purpose of determining whether:

- EPA or State/local governments have conducted compliance inspections
- violations were detected or
- enforcement actions were taken and penalties were assessed in response to environmental law violations.

After performing your search, you will receive summary data about each facility meeting your search criteria. From this list of facilities, click to access EPA's *Detailed Facility Report* to find out more. **The data were last updated in [June 2003](#).**

**Search Compliance Data:** [All Programs](#) | [Air](#) | [Water](#) | [Hazardous Waste](#)

[Quality of Data](#) | [Known Data Problems](#) | [How to Report an Error](#)

[Use of Data in ECHO](#)

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# U.S. Environmental Protection Agency

## Enforcement & Compliance History Online (ECHO)

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[EPA Home](#) > [Compliance and Enforcement](#) > [ECHO](#) > [Search Data](#) > Search Results

>>> Pilot Site -- Public Comments Under EPA Review -- Please See [Information Room](#) <<<



### Search Results (All Programs)

Help

#### 4 Facilities Returned

[New Search](#)

Please note that only larger facilities are shown unless you select "Include Minor Facilities", which is located at the bottom of the [advanced search forms](#).

Facility Information <i>Select Name to Read Report</i>	<a href="#">Inspections</a> (2 yrs) ▼▲	<a href="#">Violations</a> (2 yrs) ▼▲	<a href="#">Current Significant Violations</a> ▼▲	<a href="#">Enforcement Actions</a> (2 yrs) ▼▲
<a href="#">NATIONAL SEMICONDUCTOR CORPORATION</a> 1111 WEST BARDIN ROAD ARLINGTON, TX 76017	no	no	no	
<a href="#">OIL STATES INDUSTRIES</a> 1031 COMMERCIAL BOULEVARD ARLINGTON, TX 76017	no	no	no	
<a href="#">PARK CLNRS</a> 800 SW GREEN OAKS STE 320 ARLINGTON, TX 76017	no	no	no	
<a href="#">SPECIALTY COATINGS CORPORATION</a> 1014 COMMERCIAL BLVD. N. ARLINGTON, TX 76017	no	no	no	

[Download](#) (a comma delimited text file)

Report Generated on 7/3/2003



Office of Enforcement and  
Compliance Assurance

OTIS Home

Compliance  
Report / ID Search

IDEA Web Query  
CAA CWA RCRA  
Multimedia

Enviromapper for  
Compliance Analysis

Enforcement  
Docket Query

OTIS Management  
Reports

Facility ID Tracker

SNC Tracker

Data Refresh Dates

View Data Stewards

Region-State  
Resources

Frequently  
Asked



Online  
tracking  
information  
system



Subscribe  
to OTIS  
Update News

## Welcome to OTIS

Government  
Access Version

Welcome! This collection of search engines enables EPA staff, state/local/tribal governments, and Federal agencies to access a wide range of data relating to enforcement and compliance. OTIS can be used for many functions, including planning, targeting, analysis, data quality review, and pre-inspection review. Please check out the "What's New" page to read about [new features](#) that have just been launched.

### [More Info about OTIS](#)

OTIS lets you find facilities based on:

- Location or Map
- Company Name
- Toxic Releases
- Environmental Justice
- Time Since Last Inspection
- Violation Status/Frequency
- Enforcement Actions
- Statistical Criteria/Trends

Please note that this site is for state and federal agency use; however, hard copy or electronic reports that you generate on the site can be distributed in response to Freedom of Information Requests (with the exception of

### [Partner Sites](#)

[CAA Mgmt Report](#) (new)

[ECHO](#)

[EC-Online](#)

[Online ECSR](#)

[MACT Tool](#)

[Performance Track](#)

[Sector Analysis](#)

[SFIP](#)



Office of Enforcement and Compliance Assurance

OTIS Home

Compliance Report / ID Search

IDEA Web Query  
CAA CWA RCRA  
Multimedia

Enviromapper for Compliance Analysis

Enforcement Docket Query

OTIS Management Reports

Facility ID Tracker



## IDEA Web Query for CAA/AFS Facilities

### Facility Characteristics

Search

Search by Permit/ID

Select from the list of SIC codes or enter one or more 2-, 3- or 4-digit SIC codes in the text box. [SIC Lookup](#)

**SIC Code:**

No SIC Code Selected

2+

**Facility Name:**

2+

**Facility Category:**

Any

**CAA Program:**

Any

**Designation:**

- ☒ Major
- ☐ Synthetic Minor
- ☐ Federally Reportable Minor
- ☐ Other Minor

**Facility Status:** ☒ Active Only

### Geographic Location

Search

**EPA Region:**

No Region Selected

**City:**

2+

**State:**

No State Selected

**Zip Code:**

2+

**County:**

Select a state first

☐ On Indian Land

Inspection/Enforcement History Search

Time Since Last Inspection: > 3 Years

Formal Enforcement Actions: No Restrictions

Compliance Information Search

Current Compliance:

☒ High Priority Violator (HPV)

Months in HPV (past 2 years):

☒ In Violation

No Restrictions

☒ On Schedule

Quarters in Violation (past 2 years):

☒ Compliance Status UNKNOWN

No Restrictions

☒ In Compliance

Pollutant Currently in Violation:

No Restrictions

TRI Chemical Releases Search

TRI reporter:

No Restrictions

TRI Carcinogens Released to Air:

>10,000 LBS

TRI Releases to Air:

No Restrictions

TRI Hazardous Releases to Air

No Restrictions

Demographic Profile Search

Percent Minority  
(3-mile radius):

>50%

Population Density  
(per square mile):

No Restrictions

Submit Query

☐ Search Logio

Search

Reset

## Facility Name Search Results

57 Records Returned

 **Return**

Entries in gray text denote records that are not federally required to be reported to EPA. These data may not be complete.

Facility Information <i>Select Name to Read Report</i>	<u>Program ID#</u> ▼▲	<u>Days Since Last Compliance Evaluation</u> ▼▲	<u>Qtrs in Non Compliance (2 yrs)</u> ▼▲	<u>Current Significant Violations</u> ▼▲	<u>Formal Enforcement Actions (5 yrs)</u> ▼▲	<u>Penalties (5 yrs)</u> ▼▲	<u>TRI Releases to Air (lbs)</u> ▼▲	<u>Percent Minority (3 mile radius)</u> ▼▲
<u>ALPHA FRY TECHNOLOGIES</u> 600 RT 440 JERSEY CITY, NJ 07304	3401700420	2611	5				59,500	74%
<u>ASSOCIATED PLASTICS INC</u> 2626 KANSAS AVE RIVERSIDE, CA 92507	06065CA040	1729			1	2,000	42,000	63%
<u>AUSTIN COUNTER TOPS INC.</u> 11108 BLUFF BEND DRIVE OFF BRA AUSTIN, TX 78753	4845300033	never	5		1	1,875	20,275	60%
<u>BEHR CLIMATE SYSTEMS, INC.</u> 5020 AUGUSTA DR. FORT WORTH, TX 75106	4843900477	1116					62,079	54%
<u>BRADY USA, INC-CAMERON AVENUE FACILITY</u> 3328 W. CAMERON AVE MILWAUKEE, WI 53295	5507900404	2004					37,386	74%
<u>CARPENTER COMPANY</u> 184 LIPFORD STREET VERONA, MS 38879	2808100024	1101					1,929,108	55%
<u>CENTURY CAST PRODUCTS- CENTURY MARBLE</u> 1275 E FRANKLIN AVE POMONA, CA 91766	06037C3106	1771					176,200	78%
<u>CERTAINTEED CORP</u> ATHENA DRIVE ATHENS, GA 30601	1305900010	never					379,641	56%
<u>CITGO REFINING &amp; CHEMICALS</u>								

# OTIS – Coming Attractions

- OTIS Version 5.0 (Spring '04)
  - Will add expert queries (e.g. specifying date ranges, picking specific data elements, and allowing separation of EPA and State activities).
  - Management Reports will let users drill down to facility names.
  - Updated mapping will show stats and EJ.
  
- OTIS Version 6.0 (pending future budget decisions)
  - If funded, will provide ability to rank inspection targets (Inspection Targeting Model V.2 ??)
  - Viewing reports (e.g., certifications) online??
  - Corporate searching??



# Resources/Contacts

- OTIS [www.epa.gov/idea/otis](http://www.epa.gov/idea/otis)
  - [barrette.michael@epa.gov](mailto:barrette.michael@epa.gov)
  - [kane.rebecca@epa.gov](mailto:kane.rebecca@epa.gov)
  - [antell.mark@epa.gov](mailto:antell.mark@epa.gov) (for CAA Extended Management Reports)
  - [throwe.scott@epa.gov](mailto:throwe.scott@epa.gov) (for MACT Prioritization Tool)
  
- ECHO [www.epa.gov/echo](http://www.epa.gov/echo)